HTML Tables
HTML tables allow web developers to arrange data into rows and columns.
Example

Company	Contact
Nariphon Technologies	Kihara P.
Jamii Commercial Agencies	Musyoka M.
Nakuru Fast Foods	Mbua J.
Mwingi Bottlers	Oroni B.
Daima Supermarkets	Omondi H.
Milele Computers	Kerubo N.

Define an HTML Table
The <table> tag defines an HTML table.
Each table row is defined with a <tr> tag. Each table header is defined with a <th> tag. Each table data/cell is defined with a <td> tag.
By default, the text in <th> elements are bold and centered.
By default, the text in <td> elements are regular and left-aligned.
Example
A simple HTML table:
```
<table style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Mutisya</td>
    <td>Kimani</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Kerubo</td>
    <td>Kibicho</td>
    <td>94</td>
  </tr>
</table>
```

Note: The <td> elements are the data containers of the table.
They can contain all sorts of HTML elements; text, images, lists, other tables, etc.
HTML Table - Add a Border
To add a border to a table, use the CSS border property:
Example

```
table, th, td {
  border: 1px solid black;
}
```

Remember to define borders for both the table and the table cells.

HTML Table - Collapsed Borders

To let the borders collapse into one border, add the CSS border-collapse property:

Example

```
table, th, td {
  border: 1px solid black;
  border-collapse: collapse;
}
```

HTML Table - Add Cell Padding

Cell padding specifies the space between the cell content and its borders.

If you do not specify a padding, the table cells will be displayed without padding.

To set the padding, use the CSS padding property:

Example

```
th, td {
  padding: 15px;
}
```

HTML Table - Left-align Headings

By default, table headings are bold and centered.

To left-align the table headings, use the CSS text-align property:

Example

```
th {
  text-align: left;
}
```

HTML Table - Add Border Spacing

Border spacing specifies the space between the cells.

To set the border spacing for a table, use the CSS border-spacing property:

Example

```
table {
  border-spacing: 5px;
}
```

Note: If the table has collapsed borders, border-spacing has no effect.

HTML Table - Cell that Spans Many Columns

To make a cell span more than one column, use the colspan attribute:

Example

```
<table style="width:100%">
  <tr>
    <th>Name</th>
    <th colspan="2">Telephone</th>
  </tr>
  <tr>
    <td>Bill Gates</td>
    <td>55577854</td>
    <td>55577855</td>
```

```
   </tr>
</table>
```

HTML Table - Cell that Spans Many Rows

To make a cell span more than one row, use the rowspan attribute:

Example

```
<table style="width:100%">
  <tr>
    <th>Name:</th>
    <td>Bill Gates</td>
  </tr>
  <tr>
    <th rowspan="2">Telephone:</th>
    <td>55577854</td>
  </tr>
  <tr>
    <td>55577855</td>
  </tr>
</table>
```

HTML Table - Add a Caption

To add a caption to a table, use the <caption> tag:

Example

```
<table style="width:100%">
  <caption>Monthly savings</caption>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
  <tr>
    <td>February</td>
    <td>$50</td>
  </tr>
</table>
```

Note: The <caption> tag must be inserted immediately after the <table> tag.

A Special Style for One Table

To define a special style for one particular table, add an id attribute to the table:

Example

```
<table id="t01">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
```

```
    <td>94</td>
   </tr>
</table>
```
Now you can define a special style for this table:
```
#t01 {
  width: 100%;
  background-color: #f1f1c1;
}
```
And add more styles:
```
#t01 tr:nth-child(even) {
  background-color: #eee;
}
#t01 tr:nth-child(odd) {
  background-color: #fff;
}
#t01 th {
  color: white;
  background-color: black;
}
```
Chapter Summary
- Use the HTML <table> element to define a table
- Use the HTML <tr> element to define a table row
- Use the HTML <td> element to define a table data
- Use the HTML <th> element to define a table heading
- Use the HTML <caption> element to define a table caption
- Use the CSS border property to define a border
- Use the CSS border-collapse property to collapse cell borders
- Use the CSS padding property to add padding to cells
- Use the CSS text-align property to align cell text
- Use the CSS border-spacing property to set the spacing between cells
- Use the colspan attribute to make a cell span many columns
- Use the rowspan attribute to make a cell span many rows
- Use the id attribute to uniquely define one table

Exercise:

Add a table row with two table headers.

The two table headers should have the value "Name" and "Age".

```
<table>
  [        ]
  [        ]
  [        ]
  [        ]
 <tr>
  <td>Jill Smith</td>
  <td>50</td>
 </tr>
</table>
```

HTML Table Tags

Tag	Description
<table>	Defines a table
<th>	Defines a header cell in a table
<tr>	Defines a row in a table
<td>	Defines a cell in a table
<caption>	Defines a table caption
<colgroup>	Specifies a group of one or more columns in a table for formatting
<col>	Specifies column properties for each column within a <colgroup> element
<thead>	Groups the header content in a table
<tbody>	Groups the body content in a table
<tfoot>	Groups the footer content in a table